

U.S. Serial No. 09/891,064
Docket No. 26068-08D

Examiner: P. Nolan
Art Unit: 1644

LISTING OF CLAIMS

1. (Currently amended) An isolated and purified human occludin polypeptide having at least about 60% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells active in inhibiting epithelial or endothelial barriers.

2. (Currently amended) An isolated and purified human occludin polypeptide having at least about 80% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells active in inhibiting epithelial or endothelial barriers.

3. (Currently amended) An isolated and purified human occludin polypeptide having at least about 90% sequence homology with residues 33 to 522 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells active in inhibiting epithelial or endothelial barriers.

4. - 26. (Cancelled)

27. (New) An isolated and purified human occludin polypeptide having at least about 60% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.

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28. (New) An isolated and purified human occludin polypeptide having at least about 60% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.

29. (New) An isolated and purified human occludin polypeptide having at least about 80% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.

30. (New) An isolated and purified human occludin polypeptide having at least about 80% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.

31. (New) An isolated and purified human occludin polypeptide having at least about 90% sequence homology with residues 89 to 138 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.

32. (New) An isolated and purified human occludin polypeptide having at least about 90% sequence homology with residues 196 to 246 of SEQ. ID. NO: 2, the polypeptide being able to inhibit the barrier properties of epithelial or endothelial cells.